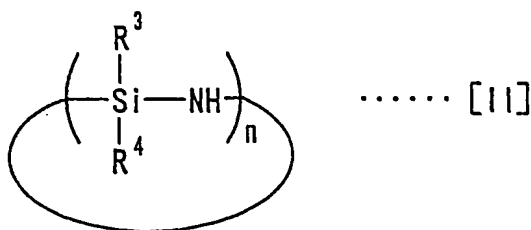


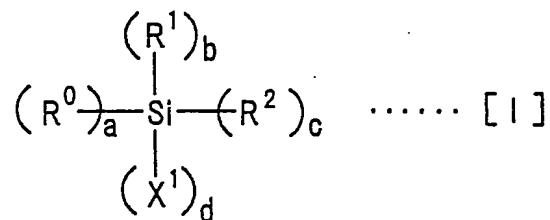
What is claimed is:

1. A process for preparing a packing for liquid chromatography characterized in that an endcapping agent represented by the following general formula [II] is reacted in a liquid phase or a gas phase with silica gel which is surface-modified with a chemical modifying agent to link the endcapping agent to a residual silanol group on the silica gel surface,

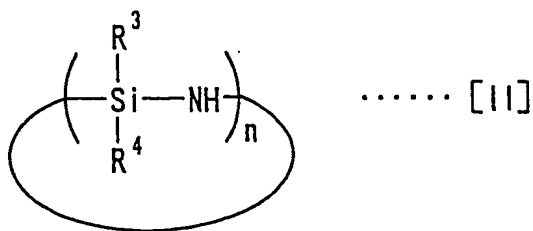


wherein R³ and R⁴, the same or different, are alkyl having one to four carbon atoms, and n is the factor of structural unit and an integer of 2 to 10.

2. A process for preparing a packing for liquid chromatography characterized in that an endcapping agent represented by the following general formula [II] is reacted in a liquid phase or a gas phase with silica gel which is surface-modified with alkylsilane represented by the following general formula [I] to link the endcapping agent to a residual silanol group on the silica gel surface,



wherein X^1 is hydrogen, halogen or alkoxy having one to four carbon atoms, R^0 , R^1 and R^2 , the same or different, are alkyl or aryl, "a" is the factor of R^0 and an integer of 0 to 3, "b" is the factor of R^1 and an integer of 0 to 3, "c" is the factor of R^2 and an integer of 0 to 3, and "d" is the factor of X^1 and an integer of 1 to 3, and these have a relation: $a+b+c+d=4$,



wherein R^3 and R^4 , the same or different, are alkyl having one to four carbon atoms, and n is the factor of structural unit and an integer of 2 to 10.

3. The process for preparing the packing for liquid chromatography as claimed in claim 2, wherein the alkyl as R^0 , R^1 and R^2 of the general formula [I] has aryl, amino or cyano at its terminal portion or has amide, carbamate, carbamide, ester or carbonate at its non-terminal portion.

4. A packing for liquid chromatography produced by the process as claimed in any one of claims 1 to 3.

5. The packing for liquid chromatography as claimed in claim 4, wherein the amount of silanol residue determined by ^{29}Si solid-state NMR is 5% or less.

6. A column for liquid chromatography packed with the packing for liquid chromatography as claimed in claim 4.

7. A process for analyzing or preparative separating a compound characterized by using the column for liquid chromatography as claimed in claim 6.

8. The process for analyzing or preparative separating the compound as claimed in claim 7, wherein the liquid chromatography is reversed phase liquid chromatography.

9. The process for analyzing or preparative separating the compound as claimed in claim 7, wherein the compound is a basic compound.